

Attorney Docket No. 028987.52610US  
PATENT

## CLAIMS:

1. A method of controlling handling of a vehicle having a controllable longitudinal clutch for all-wheel systems, comprising the steps of:  
  
separately determining rotational wheel speeds of each side of the vehicle by analyzing the rotational wheel speeds as a function of the driving speed and the steering angle;  
  
comparing said determined wheel speeds on each side; and  
  
setting a constant torque as a function of the driving speed and the steering angle when a difference between said determined wheel speeds on each side exceeds a definable rotational speed difference.
2. The method according to claim 1, wherein  
  
the defineable rotational speed difference is stored in a characteristic diagram for any operating condition.
3. The method according to claim 1,  
  
the steering angle is checked with respect to a cornering and, when a cornering is detected, an offset is determined which is added to the defineable rotational speed difference of the rotational wheel speeds.

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4. The method according to claim 1, further including the step of setting a slip control.
5. The method according to claim 1 wherein the vehicle has a fixed torque distribution.
6. A method of controlling a vehicle, comprising the steps of:  
determining a difference in speed between left side wheels and right side wheels of said vehicle; and  
adjusting distribution ratios between axles of said vehicle as a function of said difference in speed.
7. The method according to claim 6, wherein said adjusting includes providing a constant torque at a longitudinal clutch when said difference in speed exceeds a predetermined value.
8. The method according to claim 6, further including the steps of setting a slip control as a function of said determining step.

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9. The method according to claim 6, wherein said speed of left and right side wheels is determined as a function of a driving speed and a steering angle of said vehicle.